



**U.S. Army Corps  
of Engineers,  
Huntsville Center**

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Huntsville Center manages the ROOFER program and offers assistance to CONUS and OCONUS DoD customers. We have two IDIQ contracts that provide specialized ROOFER support. One is for visual roof inspections and implementation of an automated ROOFER program. The other is an Aerial Infrared Roof Moisture Scan (IR ) for detection of wet roof insulation and energy losses.

In partnership with the South Pacific Division (SPD), we provide ROOFER program management assistance to DoD installations. Our services include providing itemized cost estimates for both the visual inspections and implementation of the automated ROOFER system, and infrared roof moisture scans.

***Visual Inspection and ROOFER Engineered Management System (EMS):***

ROOFER has been implemented at numerous Army installations, US Air Force bases and Navy facilities, encompassing over 100 million square feet of roof area. This program does not repair roofs but is a tool used to manage and justify funds required for necessary repairs. ROOFER is an automated EMS that provides the user with a cost-effective program for managing built-up, single ply, and steep roofs (asphalt shingle), and generates suggested roof repairs to achieve optimum roof service life.

The ROOFER program uses a Windows-friendly format to calculate inspection data, generate various reports, and create a 10-year budget program. It also has the capabilities to incorporate Geographical Information System (GIS). The average cost for implementing ROOFER is 2.3 to 6.8 cents per square foot (includes contract costs, airfare, per diem, and associated travel costs).

***Infrared Scan:*** The fly over will detect areas of possible wet roof insulation and possible energy leakage. The contractor will fly two aerial missions which includes one daytime and one nighttime IR roof moisture scan.

The daytime mission will give the installation a complete inventory of all their roof assets, in which the photos will show the entire roof along with roof top equipment. The late evening flight will take place after the sun sets, and the complete flight will be recorded on VHS tape or CD, documenting any suspected areas of wet insulation. The contractor will produce thermograms showing the locations of suspected wet areas of insulation, and turn both the daytime photos and the thermograms over to the other IDIQ contractor for use while performing the visual inspections.



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Should you have roofing requirements or need assistance in setting up ROOFER projects, please call (256) 895-1275 or (916)557-7893.